

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number  
WO 2004/110833 A1

(51) International Patent Classification<sup>7</sup>:

B60S 1/38

(74) Agents: ROHM, Benita, J. et al.; Rohm & Monsanto, P.L.C., 660 Woodward Avenue, Suite 1525, Detroit, MI 48226 (US).

(21) International Application Number:

PCT/US2004/018495

(22) International Filing Date: 10 June 2004 (10.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/477,648 10 June 2003 (10.06.2003) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US 60/477,648 (CON)  
Filed on 10 June 2003 (10.06.2003)

(71) Applicant (for all designated States except US):  
FLEXSYS, INC. [US/US]; 2020 Hogback Road, Suite 2, Ann Arbor, MI 48105 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KOTA, Sridhar [US/US]; 2256 Gray Fox Court, Ann Arbor, MI 48103 (US). HETRICK, Joel, A. [US/US]; 2650 Daleview Drive, Ann Arbor, MI 48105 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

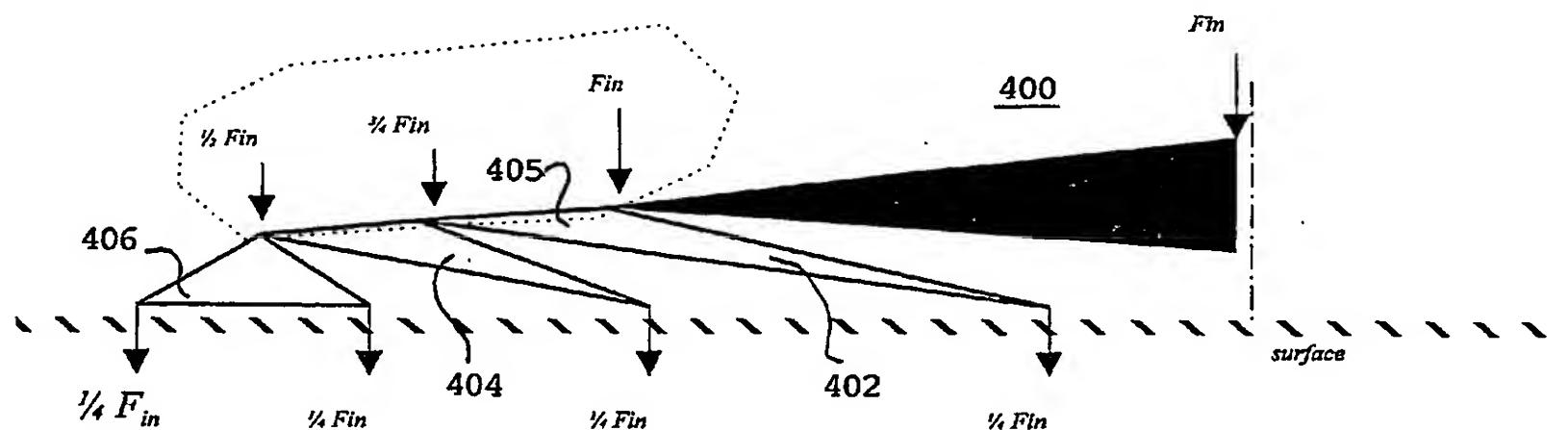
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPLIANT WINDSHIELD WIPER SYSTEMS



WO 2004/110833 A1

(57) Abstract: A windshield wiper arrangement has a windshield wiper blade coupled thereto. A resilient windshield wiper blade support has a primary beam (405) coupled in a coupling region of the primary beam (405). A first compliant beam portion (406) is formed of three compliant sections arranged as an end-point triangle. A second compliant beam structure (404) is arranged as a triangle. A third compliant beam structure (402) structure is formed as a triangle with a portion of the primary beam forming a leg of the triangle.